

00000000-0000-0000-0000-000000000000  
VCSEL PACKAGE AND FABRICATION METHOD

Thomas P. Glenn

Roy Dale Hollaway

Steven Webster

5    ABSTRACT

A VCSEL package includes a substrate and a VCSEL device coupled to the substrate. The VCSEL device includes a first VCSEL and a calibration VCSEL. A sensor is coupled to the substrate such that a sensor area of the 10 sensor is aligned with the calibration VCSEL. The sensor measures light from the calibration VCSEL to determine the power output of light emitted from the first VCSEL. The measured light is subsequently used to adjust the electrical power input to the VCSEL device to maintain the 15 power output of the light emitted from the first VCSEL at a fixed or constant value.